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L Number	Hits	Search Text	DB	Time stamp
-	0	("US20020129337A1").PN.	USPAT; US-PGPUB	2004/02/11 09:39
-	1	("20020129337").PN.	USPAT; US-PGPUB	2004/02/10 17:11
-	1	("5901315").PN.	USPAT; US-PGPUB	2004/02/10 19:07
-	20	JPDA	USPAT; US-PGPUB; EPO; JPO	2004/02/10 19:07
-	5	JPDA and debugger	USPAT; US-PGPUB; EPO; JPO	2004/02/10 19:42
-	16	BufferedReader	USPAT; US-PGPUB; EPO; JPO	2004/02/10 19:42
-	3	(JPDA and debugger) and BufferedReader	USPAT; US-PGPUB; EPO; JPO	2004/02/10 19:42
-	48	("5901315" "6052515" "6463578" "5848274" "5995744" "6144933" "6212650" "6212650" "6637024" "6353923" "6249907" "6226761" "6226761" "6647544" "6247020" "6282702" "6011916" "6357019" "6249803" "6360258" "6553565" "6430707" "6477666" "6430570" "6011920" "6189139" "6134603" "5781778" "5794046" "6074427" "6412106" "6081665" "6442751" "6202208" "6256752" "6691302" "6131109" "5678028" "5771385" "5394544" "5450586" "5680542" "5689684" "5701488" "6058393" "6126328" "6388533" "6321378" "5596714" "5513317").pn.	USPAT	2004/02/11 09:41

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-	16	BufferedReader	USPAT; US-PGPUB; EPO; JPO	2004/02/11 14:27
-	6	InputStream and BufferedReader	USPAT; US-PGPUB; EPO; JPO	2004/02/11 14:32
-	1	InputStream and BufferedWriter	USPAT; US-PGPUB; EPO; JPO	2004/02/11 14:32
-	89	OutputStream	USPAT; US-PGPUB; EPO; JPO	2004/02/11 14:32
-	1	OutputStream and BufferedWriter	USPAT; US-PGPUB; EPO; JPO	2004/02/11 14:33
-	2	BufferedWriter	USPAT; US-PGPUB; EPO; JPO	2004/02/11 14:33
-	3	((("5548717") or ("5706502") or ("6061518"))).PN.	USPAT	2004/02/11 20:10
-	7	(US-5901315-\$ or US-6061518-\$ or US-5706502-\$ or US-5548717-\$).did. or (US-20020129337-\$ or US-20030154284-\$ or US-20020073063-\$).did.	USPAT; US-PGPUB	2004/02/11 20:10
-	2	((US-5901315-\$ or US-6061518-\$ or US-5706502-\$ or US-5548717-\$).did. or (US-20020129337-\$ or US-20030154284-\$ or US-20020073063-\$).did.) and ( class same load\$3)	USPAT; US-PGPUB; EPO; JPO	2004/02/11 20:12
-	1	((US-5901315-\$ or US-6061518-\$ or US-5706502-\$ or US-5548717-\$).did. or (US-20020129337-\$ or US-20030154284-\$ or US-20020073063-\$).did.) and (obtain\$3 same number same line) and (breakpoint same request\$3)	USPAT; US-PGPUB; EPO; JPO	2004/02/11 20:13
-	20	(obtain\$3 same number same line) and (breakpoint same request\$3)	USPAT; US-PGPUB; EPO; JPO	2004/02/11 20:13
-	1	( (obtain\$3 same number same line) and (breakpoint same request\$3)) and (breakpoint same suspen\$5 same polic\$3)	USPAT; US-PGPUB; EPO; JPO	2004/02/11 20:16
-	1	( (obtain\$3 same number same line) and (breakpoint same request\$3)) and (breakpoint same suspen\$5)	USPAT; US-PGPUB; EPO; JPO	2004/02/11 20:42
-	1	getSystemClassLoader	USPAT; US-PGPUB; EPO; JPO	2004/02/11 21:11
-	120	Java and (set\$4 same breakpoint)	USPAT; US-PGPUB; EPO; JPO	2004/02/11 21:12
-	2	(Java and (set\$4 same breakpoint)) and jpda	USPAT; US-PGPUB; EPO; JPO	2004/02/11 21:12
-	0	deferred adj breakpoint	USPAT	2004/02/11 22:58
-	0	deferred adj breakpoint	USPAT; US-PGPUB; EPO; JPO;	2004/02/11 22:59
-	1	deferred adj breakpoint	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/02/11 22:59
-	2	((("6151702") or ("5598560"))).PN.	USPAT; US-PGPUB	2004/08/09 13:33
-	1	("5933641").PN.	USPAT; US-PGPUB	2004/08/09 13:33



# STIC EIC 2100 Search Request Form

#31

Today's Date:

8/9/2004

What date would you like to use to limit the search?

Priority Date: 3/8/2001 Other:

Name James TangAU 2122 Examiner # 79879Room # 5C18 Phone 305-4866Serial # 09/801,589

Format for Search Results (Circle One):

☒ PAPER☐ DISK☐ EMAIL

Where have you searched so far?

☒ USP☐ DWPI☐ EPO☐ JPO☐ ACM☐ IBM TDB☐ IEEE☐ INSPEC☐ SPI☐ OtherIs this a "Fast & Focused" Search Request? (Circle One) ☒ YES ☐ NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Java Platform Debugger Architecture (JPDA)

bootstrap object

probe program.

debug and test.

main and suspend argument.

exception and notification request.

native method with system debug API.

8/9/04 10:35am

STIC Searcher Carol WongPhone 305-3729Date picked up 8-9-04Date Completed 8-9-04

#129290

File 347:JAPIO Nov 1976-2004/Apr(Updated 040802)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200450  
(c) 2004 Thomson Derwent

Set	Items	Description
S1	4	JPDA
S2	1	JAVA(1W) PLATFORM?(1W) (DEBUG? OR DE()BUG?)
S3	1766	BOOTSTRAP? OR BOOT()STRAP?
S4	3074	ARGUMENT? ?
S5	0	S1:S2 AND S3
S6	0	S1:S2 AND S4
S7	5	S1:S2
S8	2	S7 NOT RADAR

? t8/9/all

8/9/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06872418 \*\*Image available\*\*  
MULTI-TARGET TRACKING DEVICE

PUB. NO.: 2001-099922 [JP 2001099922 A]  
PUBLISHED: April 13, 2001 (20010413)  
INVENTOR(s): TAKAHASHI KATSUMI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP  
APPL. NO.: 11-278872 [JP 99278872]  
FILED: September 30, 1999 (19990930)  
INTL CLASS: G01S-013/66

#### ABSTRACT

PROBLEM TO BE SOLVED: To obtain a multi-target tracking device enabling tracking processing of a large number of targets, in which combination such as **JPDA** is taken into account to be performed, by carrying out a degeneracy of tracking processing to reduce the computing amount.

SOLUTION: This device is provided with an input line 1 for inputting observation points, a predicted area generating part 2 for predicting moving of the targets, a cluster generating part 3 input with the observation points and predicted areas to generate a cluster, a search tree branch-cutting part 4 for expressing the cluster as a search tree and for cutting one portion thereof, a combination ratiocinating part 5 for finding the possibility of individual combinations between the targets and the observation points as to the cluster after the one portion is cut, and a target tracking updating part 6 for updating information of the targets based on the possibility of the inputted individual combinations.

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8/9/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015572611 \*\*Image available\*\*  
WPI Acc No: 2003-634768/200360  
XREF Acc No: N03-504820

Java application debugging method in corporate network, internet,  
involves debugging Java code and native language dynamic load libraries



**simultaneously using different application programming interfaces**

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: EVANS D H; GAY C J; SCHERK A P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020129337	A1	20020912	US 2001801589	A	20010308	200360 B

Priority Applications (No Type Date): US 2001801589 A 20010308

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020129337	A1	25	G06F-009/44	

Abstract (Basic): US 20020129337 A1

NOVELTY - The Java code and native language dynamic load libraries of application (17) are simultaneously debugged using **Java platform debugger** architecture virtual machine debug application programming interface (API) and operating system debug API, respectively, while executing application under Java virtual machine (16).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) computer readable medium storing application debugging program; and

(2) computer.

USE - For debugging Java application comprising Java code and native language dynamic load libraries e.g. C or C++ code, using computer software development tools for development of Java application program for use in corporate network and internet.

ADVANTAGE - Provides new functionality such as patching of Java variables, reading and writing strings from and to application under test and stability for JAVA application program development, testing and debugging.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the debugger system within single computer system.

graphical user interface (11)

engine (12)

Java virtual machine (16)

application(41) interactive code analysis tool probe (17)

pp; 25 DwgNo 1/15

Title Terms: APPLY; DEBUG; METHOD; NETWORK; DEBUG; CODE; NATIVE; LANGUAGE; DYNAMIC; LOAD; SIMULTANEOUS; APPLY; PROGRAM; INTERFACE

Derwent Class: T01

International Patent Class (Main): G06F-009/44

File Segment: EPI

Manual Codes (EPI/S-X): T01-F05A; T01-J20B; T01-J20C; T01-N03B; T01-S03

?

File 348:EUROPEAN PATENTS 1978-2004/Jul W04

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File 349:PCT FULLTEXT 1979-2002/UB=20040805,UT=20040729

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	17	JPDA
S2	6	JAVA(1W) PLATFORM?(1W) (DEBUG? OR DE()BUG?)
S3	2892	BOOTSTRAP? OR BOOT()STRAP?
S4	11947	ARGUMENT? ?
S5	0	S1:S2(25N)S3
S6	0	S1:S2(25N)S4
S7	11	S1:S2 NOT RADAR
S8	11	IDPAT (sorted in duplicate/non-duplicate order)
S9	11	IDPAT (primary/non-duplicate records only)

9/5,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01718079

**Remote debugging of computer programs**

**Fernfehlerbeseitigung von Computerprogrammen**

**Mise au point a distance de programmes informatiques**

PATENT ASSIGNEE:

SAP Aktiengesellschaft, (2635751), Neurottstrasse 16, 69190 Walldorf,  
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Schmidt, Karsten, Heimbachstrasse 14, 74918 Angelbachtal, (DE)  
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Rohland, Hans-Christoph, Neue Heimat Strasse 8, 68789 St. Leon-Rot, (DE)

LEGAL REPRESENTATIVE:

Schioma, Daniele Wolfgang et al (88581), Muller-Bore & Partner, Grafinger  
Strasse 2, 81671 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1408410 A1 040414 (Basic)

APPLICATION (CC, No, Date): EP 2002021946 020930;

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-011/36

ABSTRACT EP 1408410 A1

A computer implemented method for debugging a computer system, with the steps of identifying source code run a target virtual machine, loading the identified source code in a debugging system, attaching the debugging system to the target virtual machine by establishing a communication link between two routers separated by one firewall, retrieving the identified source code into the debugging system from a source within the area shielded by the firewall, comparing the identified code run on the target virtual machine with source code present in the debugging system to establish delta information, and retrieving the delta information from the target virtual machine to the debugging system.

ABSTRACT WORD COUNT: 107

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 040414 A1 Published application with search report

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200416	271
SPEC A	(English)	200416	1709
Total word count - document A			1980
Total word count - document B			0
Total word count - documents A + B			1980

...SPECIFICATION of the invention with reference to the drawings, in which:

Fig. 1 shows schematically the **Java platform debugger** architecture, and

Fig. 2 shows schematically an implementation of a system according to the invention.

Computer applications written in the Java language can be debugged using the **Java Platform Debugger Architecture (JPDA)**. JPDA is a multi-tiered debugging architecture that allows debugger applications to run portably across platforms...

...machine (VM) implementations and Software Development Kit (SDK) versions. As shown in Fig. 1 the **JPDA** comprises three layers, which are:

- Java VM Debug Interface (JVMDI), which defines the debugging services
- ...

...debugger process) and the back-end (in the debuggee process). In the reference implementation of **JPDA**, the reference implementation of the back-end provides the debuggee side of this channel, and...

9/5,K/2 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01391802

Generation of runtime execution traces of applications and error detection  
Erzeugung von Laufzeitablaufverfolgung der Ausführung von Anwendungen und Fehlerdetektion  
Generation de trace d'execution lors de l'execution d'applications et detection d'erreurs

PATENT ASSIGNEE:

International Business Machines Corporation, (200128), New Orchard Road, Armonk, NY 10504, (US), (Applicant designated States: all)

INVENTOR:

Faraj, Mazen, c/o IBM United Kingdom Ltd., Intellectual Property Law, Hursley Park, Hampshire SO21 2JN, (GB)

LEGAL REPRESENTATIVE:

Ling, Christopher John (80401), IBM United Kingdom Limited, Intellectual Property Department, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 1179777 A2 020213 (Basic)

APPLICATION (CC, No, Date): EP 2001306841 010810;

PRIORITY (CC, No, Date): CA 2315449 000810

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-011/36

ABSTRACT EP 1179777 A2

A computer system for generating and analyzing application trace data includes a monitor for launching Java language virtual machines using the

**Java Platform Debug** Architecture to enable the virtual machines to generate event data on the occurrence of specified events during application execution on the virtual machines. The event data is placed on an event queue and the monitor removes the event data from the event queue for forwarding to a logging service. The logging service records the event data in a trace file. A set of problem determination tools use defined product descriptions, and the trace file data to provide an analysis to a user, based on a defined level of analysis chosen from one of product, component, code or logical levels of analysis.

ABSTRACT WORD COUNT: 126

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020213 A2 Published application without search report  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200207	1158
SPEC A	(English)	200207	8072
Total word count - document A			9230
Total word count - document B			0
Total word count - documents A + B			9230

...ABSTRACT analyzing application trace data includes a monitor for launching Java language virtual machines using the **Java Platform Debug** Architecture to enable the virtual machines to generate event data on the occurrence of specified...

...SPECIFICATION enables the virtual machines to generate event data using application program interfaces supplied by the **Java Platform Debug** Architecture.

According to another aspect of the present invention, there is provided the above computer...

...specified events during application execution by the use of application program interfaces supplied by the **Java Platform Debug** Architecture.

According to another aspect of the present invention, there is provided a method for...

...Java virtual machine using a monitor, whereby the monitor defines the virtual machine using the **Java Platform Debug** Architecture to enable the virtual machine to generate event data on the occurrence of specified...

...virtual machines, each of the Java virtual machines being enabled by the monitor, using the **Java Platform Debug** Architecture, to generate event data on the occurrence of specified events during application execution on...RAS monitor 10.

The implementation of RAS monitor 10 in the preferred embodiment, utilizes the **Java Platform Debugger** Architecture and specifically the Java Debug Interface. The Java Debug Interface (JDI) is a high...

...desired. In the Java 2 platform, a Java virtual machine is required to support the **Java Platform Debugger** Architecture.

RAS monitor 10 in the preferred embodiment is used to launch a Java VM ...to define the method of communication with the target VM. Depending on the platform, the **Java Platform Debug** Architecture implementation provides two potential methods of achieving this communication: using

shared memory or using...

...the preferred embodiment the capability to generate such events results from the functionality of the **Java Platform Debug** Architecture. At this step filtering may be applied to EventRequests such that not every event...be traced and the RAS monitor code, other than the Java application must support the **Java Platform Debugger** Architecture JDI.

Ease of modifying the logging architecture is achieved by the fact that the...

...product (application) itself.

Also, this approach is VM independent because of the fact that the **Java Platform Debug** Architecture is itself VM independent. Because this architecture is defined as debugging support for the...

...any Java application running on any VM as long as the VM supports the required **JPDA** APIs.

Finally, problem determination over multiple products is achieved by relying on two facts: having to certain computer language and other technological specifications (e.g. the **Java Platform Debug** Architecture and the Java Debug Interface), it should be apparent that classes, objects, components, interfaces...

...CLAIMS enables the virtual machines to generate event data using application program interfaces supplied by the **Java Platform Debug** Architecture.

3. The computer system of claim 2 in which the means to receive said...

9/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01235303

**Debugger protocol generator**

**Fehlerbeseitigersprotokol-Generator**

**Generateur de protocole de debugage**

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392733), 901 San Antonio Road, Palo Alto, California 94303, (US), (Applicant designated States: all)

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Browne, Robin Forsythe, Dr. (55142), Urquhart-Dykes & Lord Tower North Central Merrion Way, Leeds LS2 8PA, (GB)

PATENT (CC, No, Kind, Date): EP 1071016 A2 010124 (Basic)

EP 1071016 A3 040609

APPLICATION (CC, No, Date): EP 2000306254 000721;

PRIORITY (CC, No, Date): US 145136 P 990721; US 540576 000331

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-011/36

ABSTRACT EP 1071016 A2

A method for automatically generating front-end code and back-end code that are both compatible with a specification, such as the JDWP

communication protocol. First, a detailed protocol specification is written that contains a description of an communication protocol between the front-end code and the back-end code. The detailed specification is then input into a code generator that parses the specification. The front-end code is then automatically generated from the formal specification, and may be written in a first computer language such as the Java(TM) programming language. The code generator then generates the back-end code, which may be written in a second computer language such as C.

ABSTRACT WORD COUNT: 107

NOTE:

Figure number on first page: 2B

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010124 A2 Published application without search report

Search Report: 040609 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200104	567
SPEC A	(English)	200104	4232
Total word count - document A			4799
Total word count - document B			0
Total word count - documents A + B			4799

...SPECIFICATION computer system suitable for implementing the present invention;

Figure 2a is a diagram illustrating the **Java Platform Debugger Architecture**;

Figure 2b is a diagram illustrating the **Java Platform Debugger Architecture** showing JDWP processing modules of the present invention;

Figure 3 is a diagram illustrating...state as close to possible to its "original" state. As shown in Figure 2a, the **Java Platform Debugger Architecture ( JPDA )** supports local and remote debugging by defining three separate interfaces. The **Java Platform Debugger Architecture** defines a set of interfaces used in the creation of debugger applications. It consists...

...the Java Debug Wire Protocol (JDWP), and the Java Virtual Machine Debug Interface (JVMDI). The **JPDA** provides a solution to the general connection problems encountered by debugger applications.

In the described...

...memory, socket, or serial line.

Thus, as is shown in Figures 2a and 2b, the **Java Platform Debugger Architecture** provides three separate and distinct interfaces for debugging. Third-party vendors can choose which...

...Specifying the VM interface for a debugger allows any VM implementation to plug into the **JPDA** . The back-end may be written in non-native code, but experience has shown that...JVMDI interface can still provide access via the JDWP.

By defining three separate interfaces, the **Java Platform Debugger Architecture, JPDA** overcomes many limitations associated with prior art debugger systems. The present invention addresses the problem...

...assured consistency between the JDWP specification, documentation and implementation code, it is unlikely that the **Java Platform Debugger Architecture** could evolve into a workable multi-vendor strategy. Thus, the present invention enforces a...

9/5,K/5 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00971354 \*\*Image available\*\*

**JAVA RULE ENGINE FRAMEWORK**

**STRUCTURE DE MOTEUR DE REGLES JAVA**

Patent Applicant/Assignee:

SAP AKTIENGESELLSCHAFT, Intellectual Property Department, Neurottstr. 16,  
69190 Walldorf, DE, DE (Residence), DE (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

DHARAMSHI Gautam, 2330 California Street #5, Mountain View, CA 94040, US,  
US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

KIRKLAND Mark D (agent), Fish & Richardson P.C., 500 Arguello Street,  
Suite 500, Redwood City, CA 94063, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200301373 A1 20030103 (WO 0301373)

Application: WO 2002US19883 20020620 (PCT/WO US0219883)

Priority Application: US 2001885836 20010620

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3183

English Abstract

A Java rule engine framework is provided that permits a rule engine (20) to be called based upon events captured from objects (10, 11, 12) without requiring object programmers to explicitly insert hooks for calling the rule engine (20) within the objects (10, 11, 12). A business-to-business electronic marketplace is also provide with the Java rule engine framework for acting upon events occurring within objects (10, 11, 12). The framework includes a standard Java debugging interface adapted to accept events and a rule engine (20) to act upon such events.

French Abstract

La presente invention concerne une structure de moteur de regles java qui permet a un moteur (20) de regles d'etre appele lors de la capture d'evenements d'objets (10, 11, 12) sans necessiter de programmeurs d'objet pour introduire explicitement des crochets destines a appeler le moteur (20) de regles dans ces objets (10, 11, 12). Un marche electronique interentreprises est egalement prevu avec une structure de moteur de regle java de facon a agir lors de la survenu d'evenements dans des objets (10, 11, 12). Cette structure comprend une interface de

debogage standard adaptee de facon a accepter des evenements et un moteur  
(20) de regles destine a agir lors de la survenue de ces evenements.

Legal Status (Type, Date, Text)

Publication 20030103 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... JVMDI prescribes that any JVM (Java Virtual Machine) that can be  
debugged adhere to a JPDA (Java Platform Debugger Architecture)  
specification.

A VM (Virtual Machine) supporting the JPA architecture implements  
a JVMDI interface that...

9/5,K/6 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00930245

**DISTRIBUTED COMPUTING SYSTEM**

**SYSTEME INFORMATIQUE DISTRIBUE**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200263479 A1 20020815 (WO 0263479)

Application: WO 2002US3218 20020204 (PCT/WO US0203218)

Priority Application: US 2001266185 20010202; US 2001777190 20010202

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-013/00

International Patent Class: G06F-011/32

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 31014



#### English Abstract

The invention provides an off-the-shelf product solution to target the specific needs of commercial users with naturally parallel applications. A top-level, public API provides a simple "compute server" or "task farm" model that dramatically accelerates integration and deployment. By providing built-in, turnkey support for enterprise features like fault-tolerant scheduling, fail-over, load balancing, and remote, central administration, the invention eliminates the need for customized middleware and yields enormous, on-going savings in maintenance and administrative overhead.

#### French Abstract

La presente invention concerne une solution de produit a disponibilite immediate permettant de cibler les besoins specifiques d'utilisateurs commerciaux a l'aide d'applications naturellement paralleles. Une API publique de haut niveau, fournit un modele de <= processus d'exploitation >= ou de <= serveur de calcul >= simple qui accelere considerablement l'integration et le deploiement. En fournissant le support cle en main, integre pour des caracteristiques d'entreprise comme la planification insensible aux defaillances, la reprise, l'equilibrage de charge, et l'administration centrale, a distance, l'invention rend inutile tout logiciel des couches intermediaires personnalise et permet de degager des economies en cours enormes au niveau des frais generaux d'entretien et administratifs.

Legal Status (Type, Date, Text)

Publication 20020815 A1 With international search report.

Publication 20020815 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... A version of the Engine is available to provide debugging information for use with the **Java Platform Debugger Architecture**, or **JPDA**. This Engine does not contain the full functionality of the regular Engine, but does provide information for remote debugging via 1 5 **JPDA**. One may select this tool to download an archive containing the Debug Engine.

Basic Scheduling...

9/5,K/7 (Item 7 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00899732 \*\*Image available\*\*

PROTOCOL FOR TRANSMITTING A PLURALITY OF MULTIPLE EXCHANGE LOGIC FLOW OF COMMAND/RESPONSE PAIRS ON A SINGLE PHYSICAL EXCHANGE CHANNEL BETWEEN MASTER AND SLAVE AND CORRESPONDING SYSTEM FOR CONTROLLING AND MONITORING EXECUTION OF APPLETS

PROTOCOLE DE TRANSMISSION D'UNE PLURALITE DE FLUX LOGIQUES D'ECHANGE MULTIPLE DE COUPLES DE COMMANDE/REPOSE SUR UN CANAL PHYSIQUE UNIQUE D'ECHANGE ENTRE MAITRE ET ESCLAVE ET SYSTEME DE SUIVI ET DE CONTROLE D'EXECUTION D'APPLIQUETTES CORRESPONDANT

Patent Applicant/Assignee:

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(Residence), FR (Nationality), (For all designated states except: US)  
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MESNIL Cedric, 38, avenue Charles V, F-94130 Nogent sur Marne, FR, FR  
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200233866 A2-A3 20020425 (WO 0233866)

Application: WO 2001FR3207 20011017 (PCT/WO FR0103207)

Priority Application: FR 200013476 20001020

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/08

International Patent Class: G06K-007/00; H04L-029/06

Publication Language: French

Filing Language: French

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13236

English Abstract

The invention concerns a protocol for transmitting multiple logic exchange flow of command/response pairs on a single physical exchange channel between a master and slave transmitter/receiver, and a corresponding system for controlling and monitoring execution of applets. For an existing active base logic flow (S), the protocol consists in selecting (B) said base flow as reference logic flow, generating a set of concurrent logic flows ({CLF"sub"x}). The concurrent logic flows consist of successive elementary packets segmenting (D) the pairs of command/response. The exchange is initialised and continued by the master transceiver on the basis of specific commands, and the segmentation by the slave transceiver on the basis of specific responses transmitted on the reference flow. The invention is in particular useful for controlling and monitoring the execution of applets implanted on multi-application smart cards.

French Abstract

L'invention est relative a un protocole de transmission de flux logiques d'echange multiple de couples de commande/reponse sur un canal physique unique d'echange entre emetteur/recepteur maitre et esclave, et a un systeme de controle et suivi d'execution d'appliquettes correspondant. Pour un flux logique de base actif existant (S), le protocole consiste a choisir (B) ce flux de base comme flux logique de reference, engendrer (C) un ensemble de flux logiques concurrents ({CLF"sub"x}). Les flux logiques concurrents sont formes par des paquets elementaires successifs segmentant (D) les couples de commande/reponse. L'initiation et la poursuite de l'echange est realisee l'initiative de l'emetteur/recepteur maitre a partir de commandes specifiques, et la segmentation a

l'initiative de l'emetteur/recepteur esclave a partir de reponses  
specifiques transmises sur le flux de reference. Application, notamment,  
au controle et suivi d'execution d'appliquettes implantees sur des cartes  
a puce multi-applications.

Legal Status (Type, Date, Text)

Publication 20020425 A2 Without international search report and to be  
republished upon receipt of that report.  
Examination 20020704 Request for preliminary examination prior to end of  
19th month from priority date  
Search Rpt 20030904 Late publication of international search report  
Republication 20030904 A3 With international search report.  
Republication 20030904 A3 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.

Fulltext Availability:  
Detailed Description

Detailed Description

... dans le  
document JAVA7m Debug Wire Protocol accessible A l'adresse  
[http://java.sun.com/products/ jvda /doc/jdwp-spec.html] et  
livr6 avec le logiciel "Java2SDKv 1 011 par SUN. La...

9/5,K/8 (Item 8 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
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00848466 \*\*Image available\*\*

**METHODS AND SYSTEMS FOR SUPPORTING AND DEPLOYING DISTRIBUTED COMPUTING  
COMPONENTS**  
**PROCEDES ET SYSTEMES DE SUPPORT ET DEPLOIEMENT DE COMPOSANTS INFORMATIQUES  
DISTRIBUTIBUES**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200182071 A1 20011101 (WO 0182071)  
Application: WO 2001US12847 20010420 (PCT/WO US0112847)  
Priority Application: US 2000199046 20000421; US 2000680063 20001004; US  
2001839646 20010420

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/445

Publication Language: English

Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 34064

English Abstract

Methods and systems consistent with the present invention (FIG. 2, 200, 202, 204, 206, 208) provide an improved software development tool that generates code corresponding to a distributed computing component that contains methods of a plurality of types and that displays a graphical representation of the code with a separately delineated display area for each type (FIG. 13, 1300, 1302, 1304). The improved software development tool also compiles, deploys, and debugs the distributed computing component with a client software component using methods and systems consistent with the present invention (FIG. 19, 1900).

French Abstract

L'invention concerne des procedes et des systemes (Fig. 2, 200, 202, 204, 206, 208) permettant de mettre en oeuvre un outil de developpement logiciel ameliore generant un code correspondant a un composant de calcul distribue renfermant des procedes de plusieurs types et affichant une representation graphique du code au moyen d'une zone d'affichage demarquee separement pour chaque type ( Fig. 13, 1300, 1302, 1304). L'outil de developpement logiciel ameliore compile, deploie et debuge le composant informatique distribue au moyen d'un composant logiciel client grace aux procedes et systemes selon la presente invention ( Fig. 19, 1900).

Legal Status (Type, Date, Text)

Publication 20011101 A1 With international search report.  
Publication 20011101 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
Examination 20020906 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:  
Detailed Description

Detailed Description

... the programmer. In one implementation, the debugger of the software development tool may implement the **Java @ Platform Debugger** Architecture ( **JPDA** ) to enable the debugger to support the functionality described above and to run portably across...

File 6:NTIS 1964-2004/Aug W2  
(c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 2:INSPEC 1969-2004/Aug W1  
(c) 2004 Institution of Electrical Engineers  
File 8:Ei Compendex(R) 1970-2004/Aug W1  
(c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Aug W1  
(c) 2004 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2004/May  
(c) 2004 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2004/Aug W2  
(c) 2004 BLDSC all rts. reserv.  
File 94:JICST-EPlus 1985-2004/Jul W3  
(c)2004 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2004/Jun W1  
(c) 2004 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jul  
(c) 2004 The HW Wilson Co.  
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Aug 05  
(c) 2004 The Gale Group  
File 144:Pascal 1973-2004/Aug W1  
(c) 2004 INIST/CNRS  
File 202:Info. Sci. & Tech. Abs. 1966-2004/Jul 12  
(c) 2004 EBSCO Publishing  
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.  
File 266:FEDRIP 2004/Jun  
Comp & dist by NTIS, Intl Copyright All Rights Res  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 483:Newspaper Abs Daily 1986-2004/Aug 06  
(c) 2004 ProQuest Info&Learning  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 603:Newspaper Abstracts 1984-1988  
(c)2001 ProQuest Info&Learning

Set	Items	Description
S1	347	JPDA
S2	13	JAVA(1W) PLATFORM?(1W) (DEBUG? OR DE()BUG?)
S3	25732	BOOTSTRAP? OR BOOT()STRAP?
S4	184570	ARGUMENT? ?
S5	1	S1:S2 AND S3
S6	0	S1:S2 AND S4
S7	28294	API OR APPLICATION?() (PROGRAM??? ? OR PROGRAMM??? ?) () INTE- RFACE?
S8	1	S1:S2 AND S7
S9	2	S5 OR S8
S10	1	S9 NOT RADAR

? t10/7

10/7/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

06534888 E.I. No: EIP03397646497

**Title: Debug Java Anywhere**

Author: Anon

Source: Electronic Design v 51 n 19 Sep 1 2003. p 60

Publication Year: 2003

CODEN: ELODAW ISSN: 0013-4872

*bad data*

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 0309W5

Abstract: A report on the **Java Platform Debugger Architecture (JPDA)** is presented in the article. It is a client/server system built from three **application programming interfaces (API)**. The JDI uses the Java Debug Wire Protocol (JDWP), which differs from the Java interface definitions associated with the other **JPDA** APIs. The JDWP only defines the format of the packets passed between the JDI and the Java Virtual Machine Debug Interface (JVMDI), along with the semantics associated with the data. (Edited abstract)

?

Tang 09/801,589

FILE 'COMPUAB, COMPUSCIENCE, CONFSCI, CONF, ELCOM, INFODATA, RUSSCI,  
SIGLE, RDISCLOSURE, ANTE' ENTERED AT 12:37:17 ON 09 AUG 2004

L1 23 SEA JPDA  
L2 1 SEA JAVA(1W) PLATFORM?(1W) (DEBUG? OR DE(W) BUG?)  
L3 1210 SEA BOOTSTRAP? OR BOOT(W) STRAP?  
L4 7897 SEA ARGUMENT#  
L5 24 SEA L1 OR L2  
L6 0 SEA L5 AND (L3 OR L4)  
L7 1741 SEA API OR APPLICATION?(W) PROGRAM?(W) INTERFACE?  
L8 0 SEA L5 AND L7

File 696:DIALOG Telecom. Newsletters 1995-2004/Aug 06  
(c) 2004 The Dialog Corp.  
File 15:ABI/Inform(R) 1971-2004/Aug 09  
(c) 2004 ProQuest Info&Learning  
File 98:General Sci Abs/Full-Text 1984-2004/Jul  
(c) 2004 The HW Wilson Co.  
File 484:Periodical Abs Plustext 1986-2004/Jul W4  
(c) 2004 ProQuest  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 613:PR Newswire 1999-2004/Aug 06  
(c) 2004 PR Newswire Association Inc  
File 635:Business Dateline(R) 1985-2004/Aug 07  
(c) 2004 ProQuest Info&Learning  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 610:Business Wire 1999-2004/Aug 09  
(c) 2004 Business Wire.  
File 369:New Scientist 1994-2004/Jul W4  
(c) 2004 Reed Business Information Ltd.  
File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS  
File 20:Dialog Global Reporter 1997-2004/Aug 09  
(c) 2004 The Dialog Corp.  
File 624:McGraw-Hill Publications 1985-2004/Aug 06  
(c) 2004 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2004/Aug 06  
(c) 2004 San Jose Mercury News  
File 647:CMP Computer Fulltext 1988-2004/Jul W4  
(c) 2004 CMP Media, LLC  
File 674:Computer News Fulltext 1989-2004/Jul W4  
(c) 2004 IDG Communications

Set	Items	Description
S1	69	JPDA
S2	25	JAVA(1W)PLATFORM?(1W)(DEBUG? OR DE()BUG?)
S3	9915	BOOTSTRAP? OR BOOT()STRAP?
S4	663917	ARGUMENT? ?
S5	87	S1:S2
S6	0	S5(S)S3:S4
S7	95983	API OR APPLICATION?{}(PROGRAM??? ? OR PROGRAMM??? ?){}INTE- RFACE?
S8	11	S5(S)S7
S9	0	S8/2002:2004
S10	11	S8 NOT (S9 OR RADAR)
S11	6	RD (unique items)

? t11/3,k/all

11/3,K/1 (Item 1 from file: 613)

DIALOG(R)File 613:PR Newswire  
(c) 2004 PR Newswire Association Inc. All rts. reserv.

00505634 20010131SFW092 (USE FORMAT 7 FOR FULLTEXT)

**Borland Partners with Leading Linux(R) Vendors to Distribute Jbuilder(TM) 4 Foundation -**

PR Newswire

Wednesday, January 31, 2001 09:45 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 826



...TM), to simplify code management;  
CodeInsight(TM) to reduce syntax errors and speed coding; the **Java 2 platform**  
graphical **debugger** ; and Two-Way-Tools(TM) powered by Java. Additionally,  
users  
can customize and extend the environment to suit their development needs  
using  
the Open Tools **API** , which aims to enable easier integration of tools and  
components from third party vendors. A...

11/3,K/2 (Item 2 from file: 613)

DIALOG(R)File 613:PR Newswire

(c) 2004 PR Newswire Association Inc. All rts. reserv.

00459147 20001113SFM060 (USE FORMAT 7 FOR FULLTEXT)

**Borland Delivers Free Edition of the Industry's Number One Java(R)  
Development Environment**

PR Newswire

Monday, November 13, 2000 06:30 EST

JOURNAL CODE: PR NEWSWIRE, INTERACTIVE CONNECTION LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 803

...the AppBrowser, to simplify code management;  
CodeInsight to reduce syntax errors and speed coding; the **Java 2 platform**  
graphical **debugger** ; and Two-Way-Tools(TM) for Pure Java. Additionally,  
users  
can customize and extend the environment to suit their development needs  
using  
the Open Tools **API** , which aims to enable easier integration of tools and  
components from third party vendors. A...

11/3,K/3 (Item 3 from file: 613)

DIALOG(R)File 613:PR Newswire

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00232318 19991214SFTU142 (USE FORMAT 7 FOR FULLTEXT)

**Linux Community Speaks Out: Inprise's JBuilder 3 Foundation Approaching  
100,000 Downloads**

PR Newswire

Tuesday, December 14, 1999 16:48 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 883

...the AppBrowser, to simplify code management;  
CodeInsight to reduce syntax errors and speed coding; the **Java 2 platform**  
graphical **debugger** ; and Pure Java Two-Way-Tools. Additionally, users can  
easily customize and extend the environment to suit their development needs  
using the Open Tools **API** which enables easier integration of tools and  
components from third party vendors. A detailed list...

11/3,K/4 (Item 4 from file: 613)

DIALOG(R)File 613:PR Newswire  
(c) 2004 PR Newswire Association Inc. All rts. reserv.

00228910 19991208SEFW107 (USE FORMAT 7 FOR FULLTEXT)  
**Inprise Releases Free Cross-Platform Java Development Tool**  
PR Newswire  
Wednesday, December 8, 1999 16:43 EST  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 748

...the AppBrowser, to simplify code management;  
CodeInsight to reduce syntax errors and speed coding; the **Java 2 platform**  
graphical **debugger** ; and Pure Java Two-Way-Tools. Additionally, users can easily customize and extend the environment to suit their development needs using the Open Tools **API** which enables easier integration of tools and components from third party vendors. A detailed list...

11/3,K/5 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2004 Business Wire. All rts. reserv.

00308869 20000626178B0224 (USE FORMAT 7 FOR FULLTEXT)  
**Now Available: Lutris Enhydra Professional 3.0 Java/XML Open Source Application Server; Integrated Suite Provides Application Delivery to Any Device, Anywhere**  
Business Wire  
Monday, June 26, 2000 15:32 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 793

...the AppBrowser, to simplify code management;  
CodeInsight to reduce syntax errors and speed coding; the **Java 2 platform**  
graphical **debugger** ; and Pure Java Two-Way-Tools. Additionally, users can easily customize and extend the environment to suit their development needs using the Open Tools **API** which enables easier integration of tools and components from third party vendors. A detailed list...

11/3,K/6 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

08661067 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**INPRISE: Inprise releases free cross-platform Java development tool**  
M2 PRESSWIRE  
December 10, 1999  
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 526

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... easily customize and extend the environment to suit their development needs using the Open Tools **API** which enables easier integration of tools and components from third party vendors. A detailed list...

File 9:Business & Industry(R) Jul/1994-2004/Aug 06  
 (c) 2004 The Gale Group  
 File 16:Gale Group PROMT(R) 1990-2004/Aug 09  
 (c) 2004 The Gale Group  
 File 47:Gale Group Magazine DB(TM) 1959-2004/Aug 09  
 (c) 2004 The Gale group  
 File 148:Gale Group Trade & Industry DB 1976-2004/Aug 09  
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Set	Items	Description
S1	71	JPDA
S2	48	JAVA(1W)PLATFORM?(1W)(DEBUG? OR DE()BUG?)
S3	8497	BOOTSTRAP? OR BOOT()STRAP?
S4	332368	ARGUMENT? ?
S5	102	S1:S2
S6	0	S5 AND S3
S7	0	S5 AND S4
S8	177769	API OR APPLICATION?() (PROGRAM??? ? OR PROGRAMM??? ?) () INTE- RFACE?
S9	23	S5(S)S8
S10	1	S9/2002:2004
S11	22	S9 NOT (S10 OR RADAR)
S12	7	RD (unique items)

12/3,K/1 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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08866786 Supplier Number: 69015638 (USE FORMAT 7 FOR FULLTEXT)

**Borland is Back.(Company Business and Marketing)**

MCKENDRICK, JOSEPH

ENT, v5, n20, p26

Dec 13, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Professional

Word Count: 401

... App-Browser, to simplify code management; CodeInsight, to reduce syntax errors and speed coding; the **Java 2 platform graphical debugger**; and Borland's Two-Way-Tools for Pure Java. Users can customize and extend the environment to suit development needs using the Open Tools **API**, which aims to enable easier integration of tools and components from thirdparty vendors.

12/3,K/2 (Item 2 from file: 16)

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08269359 Supplier Number: 69748545 (USE FORMAT 7 FOR FULLTEXT)  
**Borland Partners With Leading Linux(R) Vendors To Distribute JBuilder(TM) 4 Foundation -.**

PR Newswire, pNA

Jan 31, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 855

... TM), to simplify code management; CodeInsight(TM) to reduce syntax errors and speed coding; the **Java 2 platform graphical debugger** ; and Two-Way-Tools(TM) powered by Java. Additionally, users can customize and extend the environment to suit their development needs using the Open Tools **API** , which aims to enable easier integration of tools and components from third party vendors. A...

**12/3,K/3 (Item 3 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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08037308 Supplier Number: 66867927 (USE FORMAT 7 FOR FULLTEXT)

**Borland Delivers Free Edition of the Industry's Number One Java(R) Development Environment.**

PR Newswire, pNA

Nov 13, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 856

... the AppBrowser, to simplify code management; CodeInsight to reduce syntax errors and speed coding; the **Java 2 platform graphical debugger** ; and Two-Way-Tools(TM) for Pure Java. Additionally, users can customize and extend the environment to suit their development needs using the Open Tools **API** , which aims to enable easier integration of tools and components from third party vendors. A...

**12/3,K/4 (Item 4 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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07496901 Supplier Number: 62958598 (USE FORMAT 7 FOR FULLTEXT)

**Now Available: Lutris Enhydra Professional 3.0 Java/XML Open Source**

**Application Server; Integrated Suite Provides Application Delivery to Any Device, Anywhere.**

Business Wire, p2905

June 26, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 799

... the AppBrowser, to simplify code management; CodeInsight to reduce syntax errors and speed coding; the **Java 2 platform graphical debugger** ; and Pure Java Two-Way-Tools. Additionally, users can easily customize and extend the environment to suit their development needs using the Open Tools **API** which enables easier integration of tools and components from third party vendors. A detailed list...

12/3,K/5 (Item 5 from file: 16)  
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06878490 Supplier Number: 58273483 (USE FORMAT 7 FOR FULLTEXT)  
**Linux Community Speaks Out: Inprise's JBuilder 3 Foundation Approaching  
100,000 Downloads.**

PR Newswire, p2235  
Dec 16, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 844

... the AppBrowser, to simplify code management; CodeInsight to reduce  
syntax errors and speed coding; the **Java 2 platform graphical debugger**  
; and Pure Java Two-Way-Tools. Additionally, users can easily customize and  
extend the environment to suit their development needs using the Open Tools  
**API** which enables easier integration of tools and components from third  
party vendors. A detailed list...

12/3,K/6 (Item 6 from file: 16)  
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06857231 Supplier Number: 58091659 (USE FORMAT 7 FOR FULLTEXT)  
**Inprise Releases Free Cross-Platform Java Development Tool.**

PR Newswire, p8067  
Dec 8, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 711

... the AppBrowser, to simplify code management; CodeInsight to reduce  
syntax errors and speed coding; the **Java 2 platform graphical debugger**  
; and Pure Java Two-Way-Tools. Additionally, users can easily customize and  
extend the environment to suit their development needs using the Open Tools  
**API** which enables easier integration of tools and components from third  
party vendors. A detailed list...

12/3,K/7 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04506643 Supplier Number: 58159016 (USE FORMAT 7 FOR FULLTEXT)  
**INPRISE: Inprise releases free cross-platform Java de development tool.**

M2 Presswire, pNA  
Dec 10, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 565

... the AppBrowser, to simplify code management; CodeInsight to reduce  
syntax errors and speed coding; the **Java 2 platform graphical debugger**  
; and Pure Java Two-Way-Tools. Additionally, users can easily customize and  
extend the environment to suit their development needs using the Open Tools  
**API** which enables easier integration of tools and components from third  
party vendors. A detailed list...  
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